

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1 to 45. (canceled).

46. (currently amended): A method for driving a plasma display panel wherein discharge cells are formed corresponding to pixels at respective intersections between a plurality of row electrodes disposed in an array for respective scan lines and a plurality of column electrodes disposed in an array crossing said row electrodes, having a light-emission drive sequence comprising the steps of:

executing pixel data writing step for setting, in each of N (N being a natural number) divided display periods constituting a unit display period, said discharge cells to either one of non-light-emitting cells or light-emitting cells in response to N-bit display drive pixel data obtained by applying ~~the~~ a multi-level gray-scale processing to input video signal in said respective divided display periods, and executing a light-emission sustaining step for allowing only said light-emitting cells to emit light only by the number of times corresponding to weights assigned to said respective divided display periods,

wherein said light-emission drive sequence comprises first and second light-emission drive sequences alternately performed every field or frame, ~~which have ratios of the number of times of light-emission different from each other~~ said first and second light-emission drive sequences having different numbers of light-emissions in said light-emission sustaining period of

each ones of said N divided display periods which are at corresponding positions in a sequence of said N divided display periods, and

the brightness level of respective gray-scale brightness points that are obtained at a single pixel by carrying out said first light-emission drive sequence ~~coincides~~ is set to coincide with the brightness level of respective gray-scale brightness points obtained at a group of pixels by carrying out said second light-emission drive sequence as a result of said multi-level gray-scale processing ~~when said second light-emission drive sequence is carried out~~].

47. (original): The method for driving a plasma display panel according to Claim 46, wherein said input video signal is a TV signal.

48. (original): The method for driving a plasma display panel according to Claim 46, wherein said unit display period is one field or one frame display period of said input video signal.

49. (currently amended): A method for driving a plasma display panel wherein discharge cells are formed corresponding to pixels at respective intersections between a plurality of row electrodes disposed in an array for respective scan lines and a plurality of column electrodes disposed in an array crossing said row electrodes, having a light-emission drive sequence comprising the steps of:

executing pixel data writing step for setting, in each of N divided display periods ~~constituting~~ constituting a unit display period, said discharge cells to either one of non-light-emitting cells or light-emitting cells in response to N-bit display drive pixel data obtained by

applying ~~the~~ a multi-level gray-scale processing to input video signal in each of said divided display periods, and

executing a light-emission sustaining step for allowing only said light-emitting cells to emit light by the number of times corresponding to weights assigned to said divided display periods respectively,

wherein said light-emission drive sequence comprises first and second light-emission drive sequences which have ratios of the number of times of light-emission different from each other in said light-emission sustaining period of each of said N divided display periods, and

wherein said light-emission drive sequence comprises first and second light-emission drive sequences alternately performed every field or frame, which have ratios of the number of times of light-emission different from each other said first and second light-emission drive sequences having different numbers of light-emissions in said light-emission sustaining period of each ones of said N divided display periods which are at corresponding positions in a sequence of said N divided display periods, and

the brightness level of respective gray-scale brightness points that are obtained at a single pixel by carrying out said first light-emission drive sequence ~~coincides~~ is set to differ from the brightness level of respective gray-scale brightness points obtained at a group of pixels by carrying out said second light-emission drive sequence as a result of said multi-level gray-scale processing ~~when said second light-emission drive sequence is carried out.~~

50. (original): The method for driving a plasma display panel according to Claim 49, wherein said input video signal is a video signal from a personal computer.

51. (original): The method for driving a plasma display panel according to Claim 49, wherein said unit display period is one field or one frame display period of said input video signal.

52. (new): A method for driving a display panel, comprising:
setting, in each of sub-display periods within a unit display period, discharge cells to non-light-emitting cells or light-emitting cells, wherein said discharge cells correspond to pixels;
performing a first light-emission drive sequence to obtain a brightness level of respective gray-scale brightness points at a single pixel of the pixels; and
performing a second light-emission drive sequence to obtain a brightness level of respective gray-scale brightness points at a group of the pixels,
wherein the brightness level of the respective gray-scale brightness points at the single pixel is set to coincide with the brightness level of the respective gray-scale brightness points at the group of pixels.

53. (new): The method as claimed in claim 52, further comprising:
applying multi-level gray-scale processing to an input video signal in said respective sub-display periods to obtain pixel data, and
wherein the discharge cells are set to non-light-emitting cells or a light-emitting cells in response to the pixel data.

54. (new): The method as claimed in claim 52, further comprising:
allowing only the light-emitting cells to emit light only by a number of times

corresponding to weights assigned to said respective sub-display periods.

55. (new): The method as claimed in claim 52, further comprising:
alternately performing, for every field or frame, the first light-emission drive sequence and the second light-emission drive sequence.

56. (new): The method as claimed in claim 54, further comprising:
wherein the weights of each of the respective sub-display periods in the first light-emission drive sequence are different than the weights of each of the corresponding respective sub-display periods in the second light-emission drive sequence.

57. (new): A method for driving a display panel, comprising:
setting, in each of sub-display periods within a unit display period, discharge cells to a non-light-emitting cells or light-emitting cells, wherein the discharge cells correspond to pixels;
performing a first light-emission drive sequence to obtain a brightness level of respective gray-scale brightness points at a single pixel of the pixels; and
performing a second light-emission drive sequence to obtain a brightness level of respective gray-scale brightness points at a group of the pixels,
wherein the brightness level of the respective gray scale brightness points at the single pixel is set to differ with the brightness level of the respective gray-scale brightness points at the group of pixels.

58. (new): The method as claimed in claim 57, further comprising:

applying multi-level gray-scale processing to an input video signal in said respective sub-display periods to obtain pixel data, and

wherein the discharge cells are set to non-light-emitting cells or a light-emitting cells in response to the pixel data.

59. (new): The method as claimed in claim 58, further comprising:

allowing only the light-emitting cells to emit light only by a number of times
corresponding to weights assigned to said respective sub-display periods.

60. (new): The method as claimed in claim 57, further comprising:

alternately performing, for every field or frame, the first light-emission drive sequence and the second light-emission drive sequence.

61. (new): The method as claimed in claim 59, further comprising:

wherein the weights of each of the respective sub-display periods in the first light-emission drive sequence are different than the weights of each of the corresponding respective sub-display periods in the second light-emission drive sequence.